

From: [Caudill, Motria](#)
To: [Keating, James W.](#)
Subject: RE: Preliminary method comparison for our Sept-October '14 field project
Date: Thursday, June 04, 2015 11:29:00 AM

Jim – you can ignore my last comment. While it is interesting that Sites 2 & 3 have much higher rates of nondetects (over 40%), it doesn't matter how I handle the data.. the benzene averages at Sites #1 and 4 are still elevated compared to the two EPA methods.

Thanks for looking into this.. let me know if you figure out an explanation.

From: Caudill, Motria
Sent: Wednesday, June 03, 2015 3:59 PM
To: Keating, James W.
Subject: FW: Preliminary method comparison for our Sept-October '14 field project

PS – I just noticed that Sites #2 and 3 have a much higher rate of nondetects. Depending on how I treat them (assume zero or ½-MDL) the difference may go away. Will check in the morning.

From: Caudill, Motria
Sent: Wednesday, June 03, 2015 3:19 PM
To: Keating, James W.
Subject: Preliminary method comparison for our Sept-October '14 field project

Hi Jim – Long time no see! I hope all is well with you and your lovely fenceline air monitoring system.

It took quite a while to get all of our laboratory results, but the day has come. I am summarizing our findings and wanted to give you a heads up about a possible issue with the auto-GC data.

I averaged BP's hourly data as it corresponded to our eight weeklong canister/tube deployments. The toluene data agree pretty well across all three methods. The benzene data for Sites 2 & 3 look okay, too. But at Sites 1 & 4, you might want to take a look at the calculations in the data processing: your benzene concentrations week-to-week are correlated with our results (cans and tubes analyzed by two different labs), but your values are much higher. Would it be possible for you to check whether there is any difference in how the data are handled/calculated at the four stations?

I was hoping to present a comparison of all three methods at the National Environmental Monitoring Conference (NEMC), which is July 13-17; see link below. I can focus on the EPA methods only if it takes longer to sort things out. Let me know what you think.

<http://www.nemc.us/>

Thanks!

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